

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 15 of 19

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Amendments in the Claims

In accordance with 37 C.F.R. §1.121(c), the following versions of the claims as rewritten by the foregoing amendment show all the changes made relative to the immediately previous versions of the claims.

Please amend Claims 2, 4, 6, 7, 13, 35-40, 43, 47, 50 and 51 as follows:

2. (Amended) The article of Claim 1 wherein the [substrate is] article comprises a medical device.

4. (Amended) The article of Claim [3] 2 wherein the medical device is a catheter.

6. (Twice Amended) The article of Claim 5 wherein the hydrophilic polymer is selected from the group consisting of polyurethanes, polyvinylpyrrolidones, polyvinyl alcohols, polyethylene glycols, polypropylene glycols, polyoxyethylenes, polyacrylic acid, polyacrylamide, carboxymethyl cellulose, cellulose, [and its derivatives,] dextrans, polysaccharides, starches, guar, xanthan and other gums, collagen, gelatins, biological polymers, and mixtures and copolymers thereof.

7. (Twice Amended) The article of Claim 5 wherein the hydrophobic polymer is selected from the group consisting of polytetrafluoroethylene, polyvinyl chloride, polyvinylacetate, poly(ethylene terephthalate), silicone, polyesters, polyamides, polyureas, styrene-block

b

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 16 of 19

copolymers, polymethyl methacrylate, polyacrylates, acrylic-butadiene-styrene copolymers, polyethylene, polystyrene, polypropylene, natural and synthetic rubbers, acrylonitrile rubber, and mixtures[, derivatives,] and copolymers thereof.

13. (Twice Amended) An article of manufacture comprising a composition comprising one or more polymers and a colloid wherein the colloid comprises one or more oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide.

35. (Amended) A method for the manufacture of an article comprising [dipping or spraying a substrate with] applying a coating composition to a substrate by spraying the coating composition onto the substrate or by dipping the substrate into the coating composition, wherein the coating composition comprises polymers, monomers, or any combination thereof, and a colloid, wherein the colloid comprises oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide. [comprising salts of one or more oligodynamic metals.]

36. (Amended) A method [for the manufacture of an article] comprising the steps of:

- 1) forming a composition that comprises a solution, dispersion, [of] or combination thereof of [more] one or more polymers containing a colloid wherein the colloid comprises oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal



Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 17 of 19

salt and at least one metal oxide [salts of one or more oligodynamic metals]; and

2) drying the composition [solution to create a solid polymeric article].

37. (Amended) [A method for the manufacture of an article comprising the steps of] The method of Claim 36, further comprising

[1) forming a composition that comprises a solution, dispersion, of combination thereof of one or more polymers containing a colloid wherein the colloid comprises salts of one or more oligodynamic metals;]

[2) drying the composition; and]

[3)] processing the dried composition with the application of heat, [to form the article.]

38. (Amended) A method [for the manufacture of an article] comprising: [the steps of]

1) forming a composition that comprises solution, dispersion, [of] or combination thereof of one or more polymers containing a colloid wherein the colloid comprises oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide; [salts of one or more oligodynamic metals;]

2) compounding the composition formed in [step] (1) with one or more polymers; and

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 18 of 19

3) processing the composition formed in [step] (2) with the application of heat [to form the article].

39. (Amended) A method for the manufacture of an article comprising dipping a form in a composition comprising polymers, monomers, or any combination thereof, and a colloid comprising oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide, [salts of one or more oligodynamic metals.]

40. (Amended) A method for the manufacture of an article comprising casting a composition comprising polymers, monomers, or any combination thereof, and a colloid comprising oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide, [salts of one or more oligodynamic metals.]

43. (Amended) An article of manufacture comprising a substrate and an antimicrobial polymer coating located on one or more exposed surfaces of the article, wherein:

the polymer coating comprises one or more polymers and a colloid, wherein the colloid comprises one or more oligodynamic metal compounds, wherein the oligodynamic metal compounds are at least one metal salt, at least one metal oxide, or a combination of at least one metal salt and at least one metal oxide; and

the article comprises a medical device.



Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 19 of 19

47. (Amended) The article of Claim 43 wherein the article [is] comprises a catheter, an endotracheal tube, a tracheostomy tube, a wound drainage device, a wound dressing, a stent, an implant, an intravenous catheter, a medical adhesive, a suture, a shunt, a glove, a condom, a contact lens, a gastrostomy tube, medical tubing, cardiovascular products, a heart valve[s], a pacemaker lead[s], a guidewire, or urine collection devices.

50. (Amended) The article of Claim 49 wherein the hydrophilic polymer is selected from the group consisting of polyurethanes, polyvinylpyrrolidones, polyvinyl alcohols, polyethylene glycols, polypropylene glycols, polyoxyethylenes, polyacrylic acid, polyacrylamide, carboxymethyl cellulose, cellulose, [and its derivatives,] dextrans, polysaccharides, starches, guar, xantham and other gums, collagen, gelatins, biological polymers, and mixtures and copolymers thereof.

51. (Amended) The article of Claim 49 wherein the hydrophobic polymer is selected from the group consisting of polytetrafluoroethylene, polyvinyl chloride, polyvinylacetate, poly(ethylene terephthalate), silicone, polyesters, polyamides, polyureas, styrene-block copolymers, polymethyl methacrylate, polyacrylates, acrylic-butadiene-styrene copolymers, polyethylene, polystyrene, polypropylene, natural and synthetic rubbers, acrylonitrile rubber, and mixtures[, derivatives,] and copolymers thereof.